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Signature	<i>Suzanne M. Cotugno</i>	Date	10 DEC 01

Practitioner's Docket No. 106287

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of )

DAVID A. LOMAS )

Serial No. 09/944,511 )

Filed: August 31, 2001 )

PROCESS FOR UPGRADING )  
FCC PRODUCT WITH ADDITIONAL )  
REACTOR )

Art Unit: 1764

RECEIVED  
JAN 22 2002  
TC 1700

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The information disclosure statement transmitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

The Zhang et al. patent discloses cracking gasoline feedstock in a riser reactor, separating the cracked feedstock and recycling portions thereof back to

The Xu et al. PCT application discloses a conversion process for reducing olefins, sulfur and nitrogen concentrations in gasoline. Preheated gasoline is contacted with catalyst having no more than 2.0 wt-% carbon deposition and a temperature of below 600°C. The gasoline product has an olefin content reduced



to below 20 wt-% and sulfur and nitrogen contents are also reduced. The figures and parts of the tables in this reference include translated English notations on the face of the reference. Additionally, the claims have been translated into English for descriptive purposes.

The Xu et al. publication from *Petroleum Processing and Petrochemicals* discloses reacting gasoline over an FCC spent catalyst to obtain a reduction in olefin concentration of 12 wt-% and an increase in isoparaffin and aromatics concentration by 6%. Translated English notations are made on pages 2-4 of this reference as well.

Respectfully submitted,



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106287

SERIAL NO

09/944,511

APPLICANT:

David A. Lomas

FILING DATE:

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GROUP ART UNIT:

1764

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	US 2,550,290 B1	04/51	Pelzer et al.	196	052	06/27/47
	B	US 2,921,014 B1	01/60	Marshall	208	074	05/16/56
	C	US 2,956,003 B1	10/60	Marshall et al.	208	074	05/20/59
	D	US 4,806,230 B1	02/89	Salusinszky	208	064	11/25/86
	E	US 5,171,425 B1	12/92	Muller	208	208R	05/24/91
	F	US 5,401,387 B1	03/95	Harandi et al.	208	074	08/03/93
	G	US 5,482,617 B1	01/96	Collins et al.	208	227	08/08/94

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## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION	
								YES	NO
	H	EP 1 046 696 A2	10/00	EPO	Xu et al.	C10G		X	
	I	WO 01/00750 A1	01/01	PCT	Zhang et al.			X (Abstract)	
	J	WO 01/00751 A1	01/01	PCT	Xu et al.			X (Abstract)	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)		
K	Article "A Modified FCC Process MIP for Maximizing Iso-Paraffins in Cracked Naphtha" by Y. M. K. ...	
DATE RECEIVED		DATE CONSIDERED